

28-OCT-09
10:51:47

GEORGIA DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION - OFFICE OF BRIDGE & STRUCTURAL DESIGN
LIVE LOAD CASE PROGRAM
REVISED: JUNE 26, 2008

PROB. NO. LL01

41.59' CURB-TO-CURB; 6 BEAMS; 140.00' AVERAGE SPAN

BRIDGE WIDTH	X1	X2	CENTER LINE DISTANCE	# OF BEAMS	REACTION FORCE	MAXIMUM # OF TRUCKS	# OF COLUMNS	COLUMN WIDTH	SKEW ANGLE
44.840	3.625	3.625	22.420	6	68.706	3	1	*****	0

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20
3.628	7.517	7.517	7.517	7.517	7.517														

XCOL1	XCOL2	XCOL3	XCOL4	XCOL5
22.420				

LIVE LOAD CASE # 1 1 TRUCKS

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I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I

BEAM	WHEEL FRACTION	P-LOAD
1	1.2022	82.599
2	0.7978	54.813
3	0.0000	0.000
4	0.0000	0.000
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 2 2 TRUCKS

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I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I

BEAM	WHEEL FRACTION	P-LOAD
1	1.2022	82.599
2	1.4679	100.852
3	1.2018	82.572
4	0.1281	8.802
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 3 3 TRUCKS

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I	I	I	I	I	I
I	I	I	I	I	I
I	I	I	I	I	I

BEAM	WHEEL FRACTION	P-LOAD
1	1.2022	82.599
2	1.4679	100.852
3	1.5416	105.915
4	1.3299	91.373
5	0.4584	31.497
6	0.0000	0.000

LIVE LOAD CASE # 4 1 TRUCKS

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I	I	I	I	I	I
I	I	I	I	I	I

BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.0000	0.000
4	0.0000	0.000
5	0.7979	54.822
6	1.2021	82.590

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LIVE LOAD CASE # 5 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.1282	8.811
4	1.2018	82.572
5	1.4679	100.852
6	1.2021	82.590

LIVE LOAD CASE # 6 3 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.4586	31.506
3	1.3301	91.383
4	1.5414	105.906
5	1.4679	100.852
6	1.2021	82.590

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LIVE LOAD CASE # 7 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.3991	27.420
3	1.2018	82.572
4	0.3991	27.420
5	0.0000	0.000
6	0.0000	0.000

LIVE LOAD CASE # 8 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.7294	50.115
2	1.6009	109.992
3	1.2706	87.297
4	0.3991	27.420
5	0.0000	0.000
6	0.0000	0.000

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LIVE LOAD CASE # 9 3 TRUCKS

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      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I

      BEAM   WHEEL FRACTION   P-LOAD
      1           0.7294       50.115
      2           1.6009       109.992
      3           1.3394        92.022
      4           1.6009       109.992
      5           0.7294        50.115
      6           0.0000         0.000
  
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LIVE LOAD CASE # 10 2 TRUCKS

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      I   I   I   I   I   I
      I   I   I   I   I   I

      BEAM   WHEEL FRACTION   P-LOAD
      1           0.0000         0.000
      2           0.5643        38.772
      3           1.4358       98.649
      4           1.4357       98.640
      5           0.5642       38.763
      6           0.0000         0.000
  
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LIVE LOAD CASE # 11 3 TRUCKS

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      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I

      BEAM   WHEEL FRACTION   P-LOAD
      1           0.9911        68.094
      2           1.5732       108.091
      3           1.4358       98.649
      4           1.4357       98.640
      5           0.5642       38.763
      6           0.0000         0.000
  
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LIVE LOAD CASE # 12 2 TRUCKS

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      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I

      BEAM   WHEEL FRACTION   P-LOAD
      1           1.2022        82.599
      2           0.7978        54.813
      3           0.0000         0.000
      4           0.0000         0.000
      5           0.7979        54.822
      6           1.2021        82.590
  
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LIVE LOAD CASE # 13 3 TRUCKS

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      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
      I   I   I   I   I   I
  
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